

Case Study:

# College Campus

Southwest Michigan



## Variable Frequency Drives *added to HVAC equipment*

### Project Summary

A community college looking to reduce their energy footprint utilized the incentive program from Indiana Michigan Power to help offset the cost of operational efficiency improvements. One component of the money-saving efficiency improvements included the addition of variable frequency drives (VFD) to the HVAC systems and kitchen equipment. By installing VFDs to the air handling units and kitchen equipment, the campus achieved 440,834 annual kWh savings and received an incentive check for \$29,486 from Indiana Michigan Power.

### Bigger Picture

This impressive energy-saving VFD project was a part of a campus transformation to reinvent the experience for students, employees, and visitors. Money-saving improvements and energy efficiencies were at the core of the plan for the university.

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### Project Stats

**Facility Type:** Education

**Type of Project:**  
VFD Installation

Total Square Feet:  
**129,500**

Annual Energy Cost Savings:  
**\$38,264**

Incentive Total:  
**\$29,486**

Total kWh Savings:  
**440,834 kWh**

Total Cost:  
**\$293,702**

Simple Payback After Incentive:  
**6.91 Years or 14% ROI**

